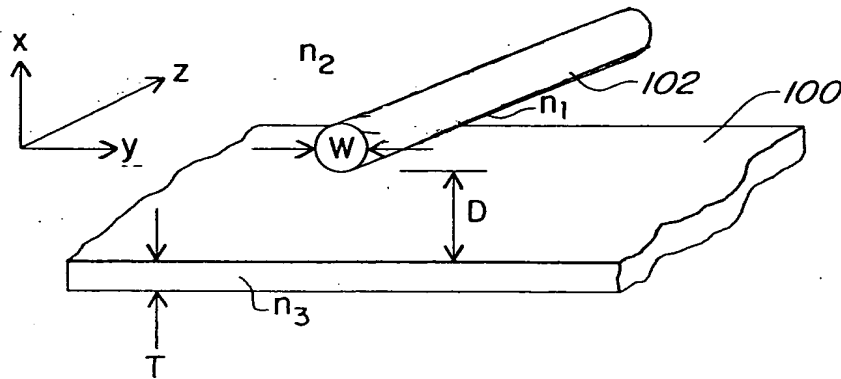
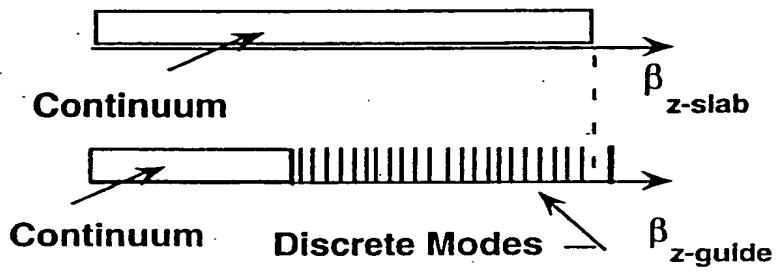
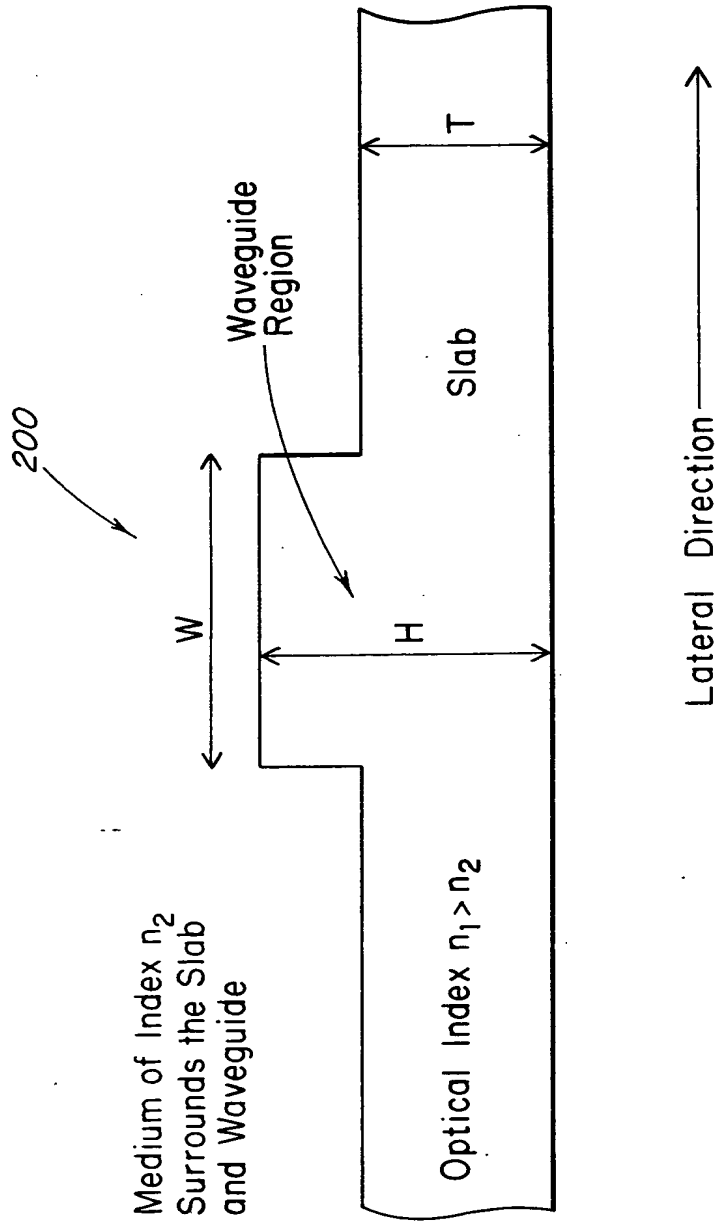


$$\beta = (2\pi/\lambda) \times \text{Modal Index}$$



**FIG. 1**



**FIG. 2**

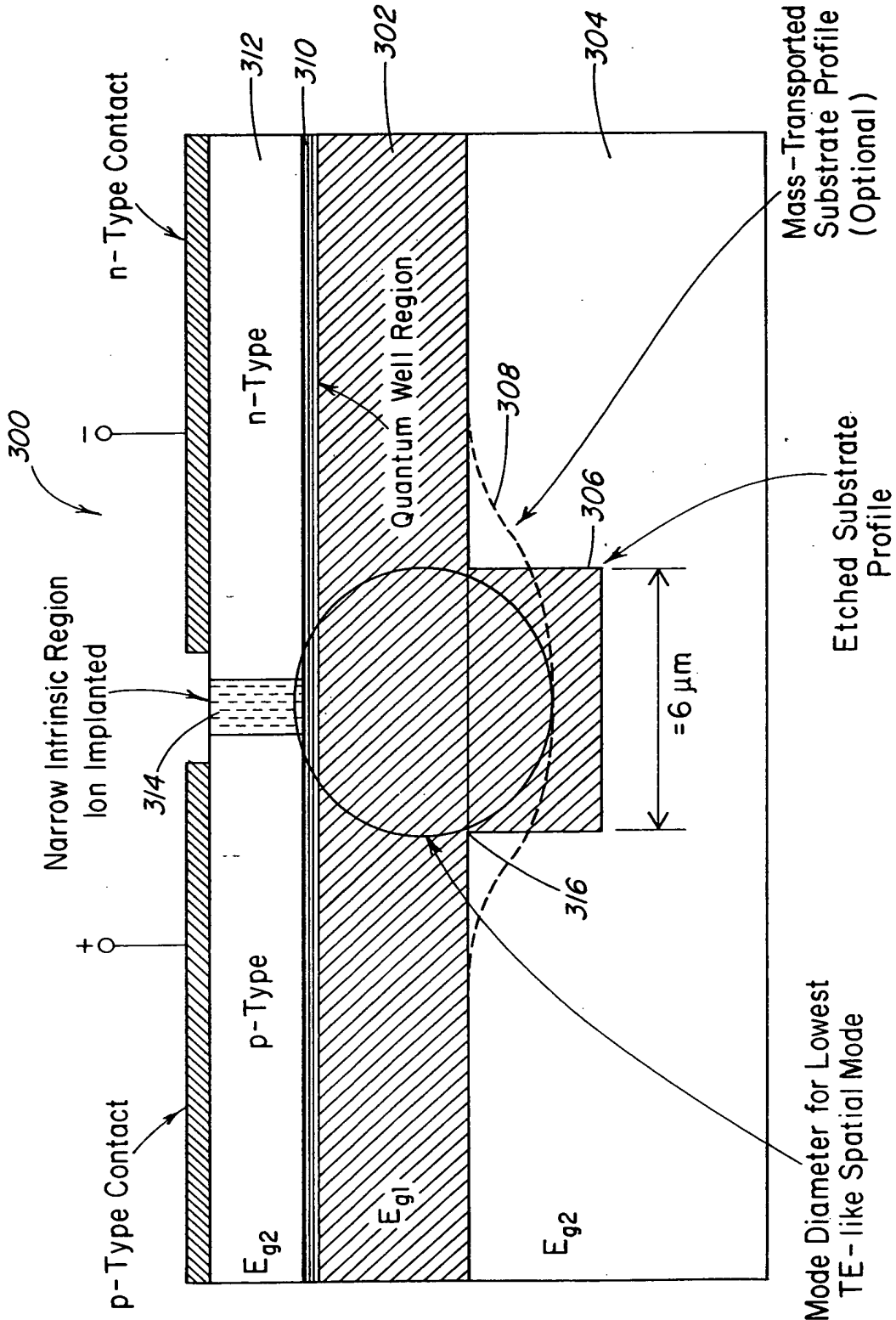


FIG. 3

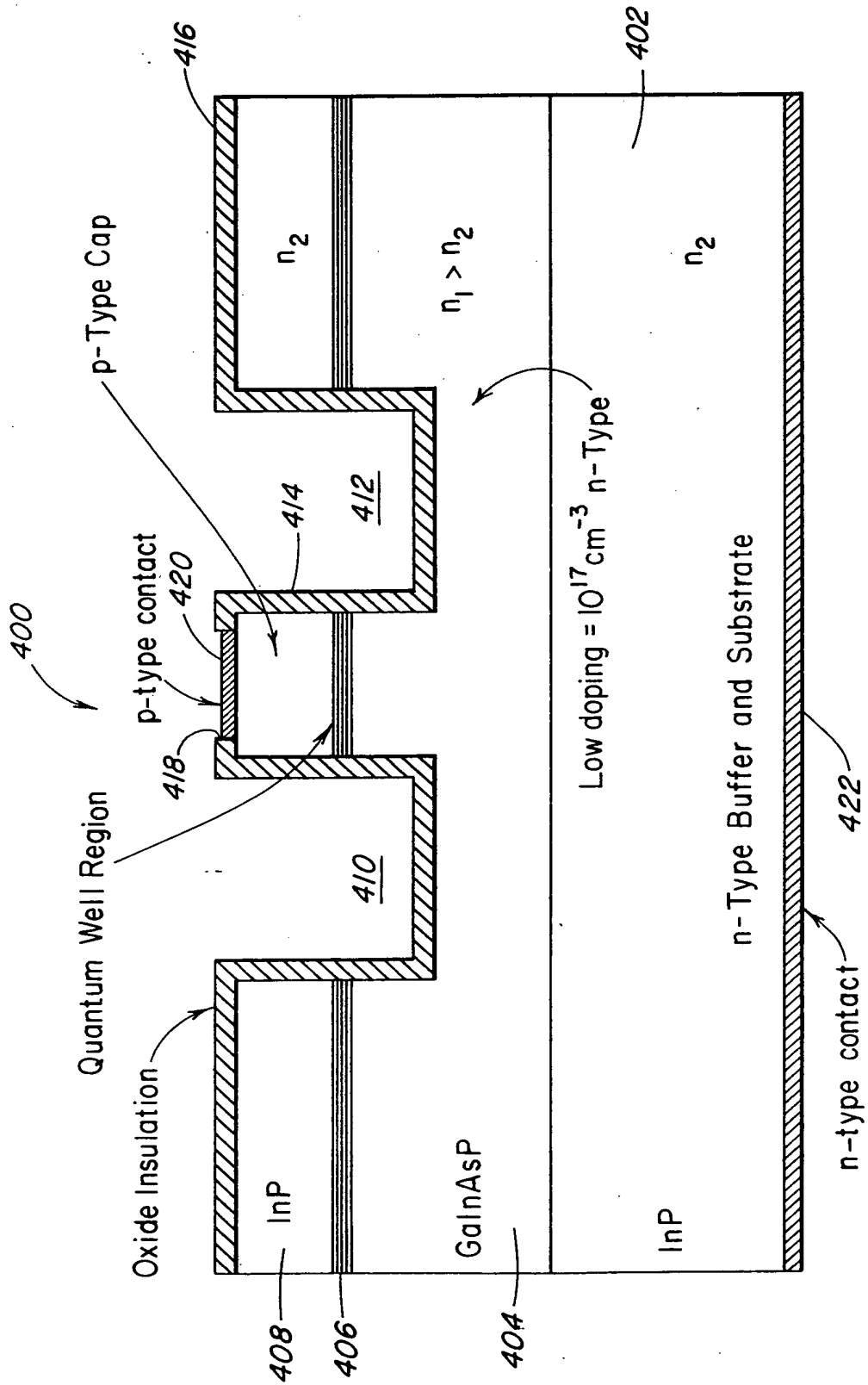
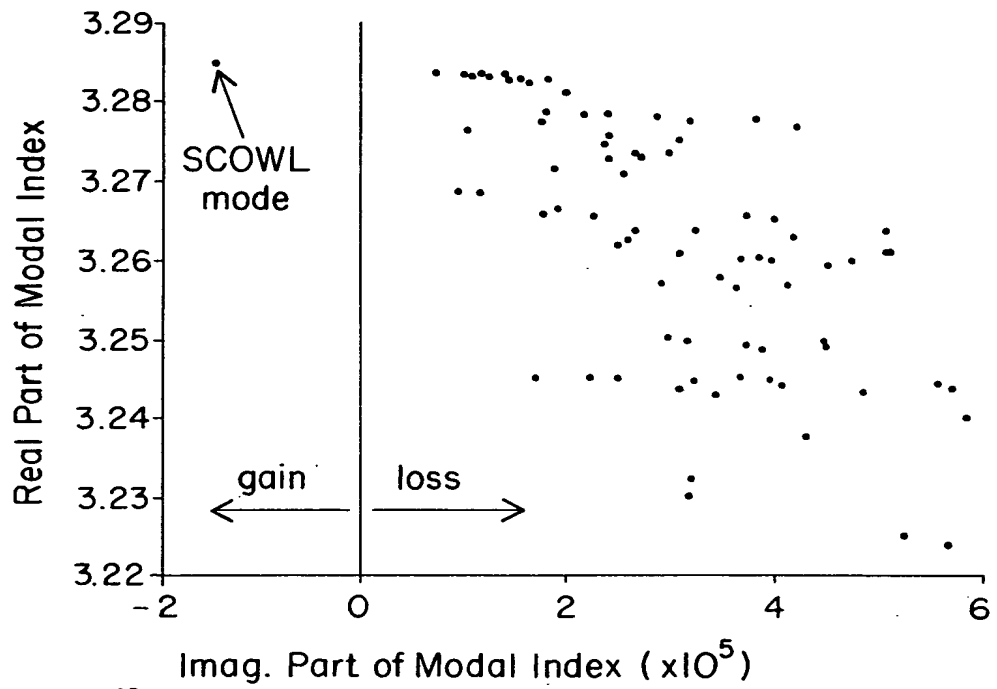
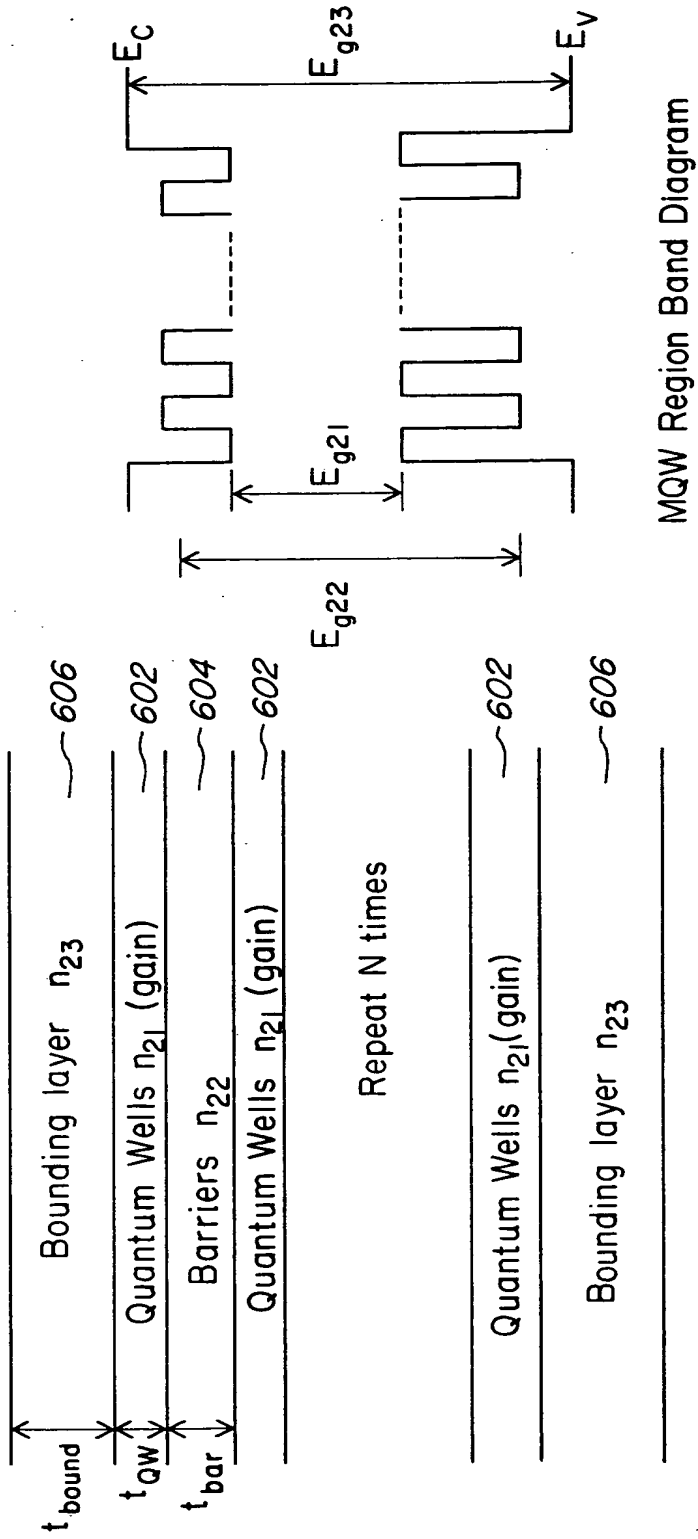


FIG. 4



**FIG. 5**

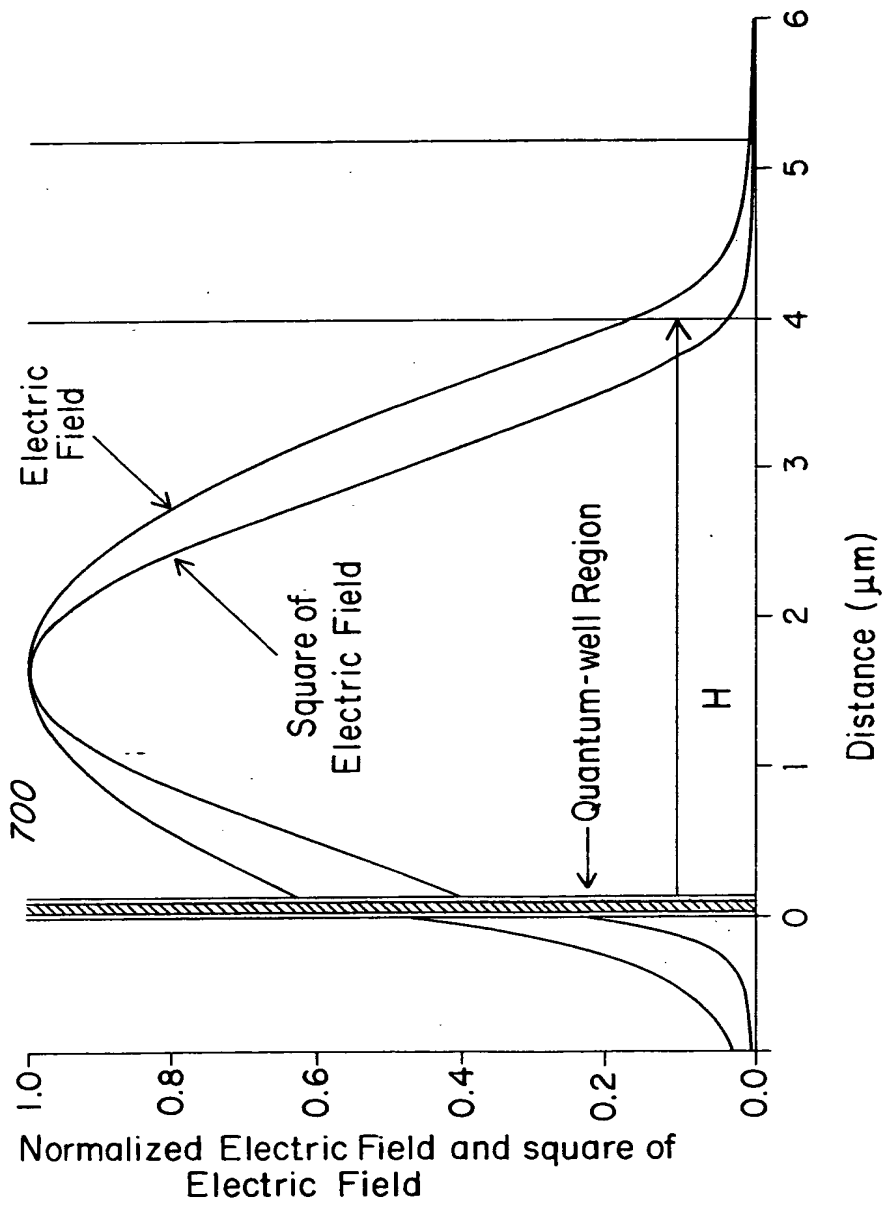
600 ↗



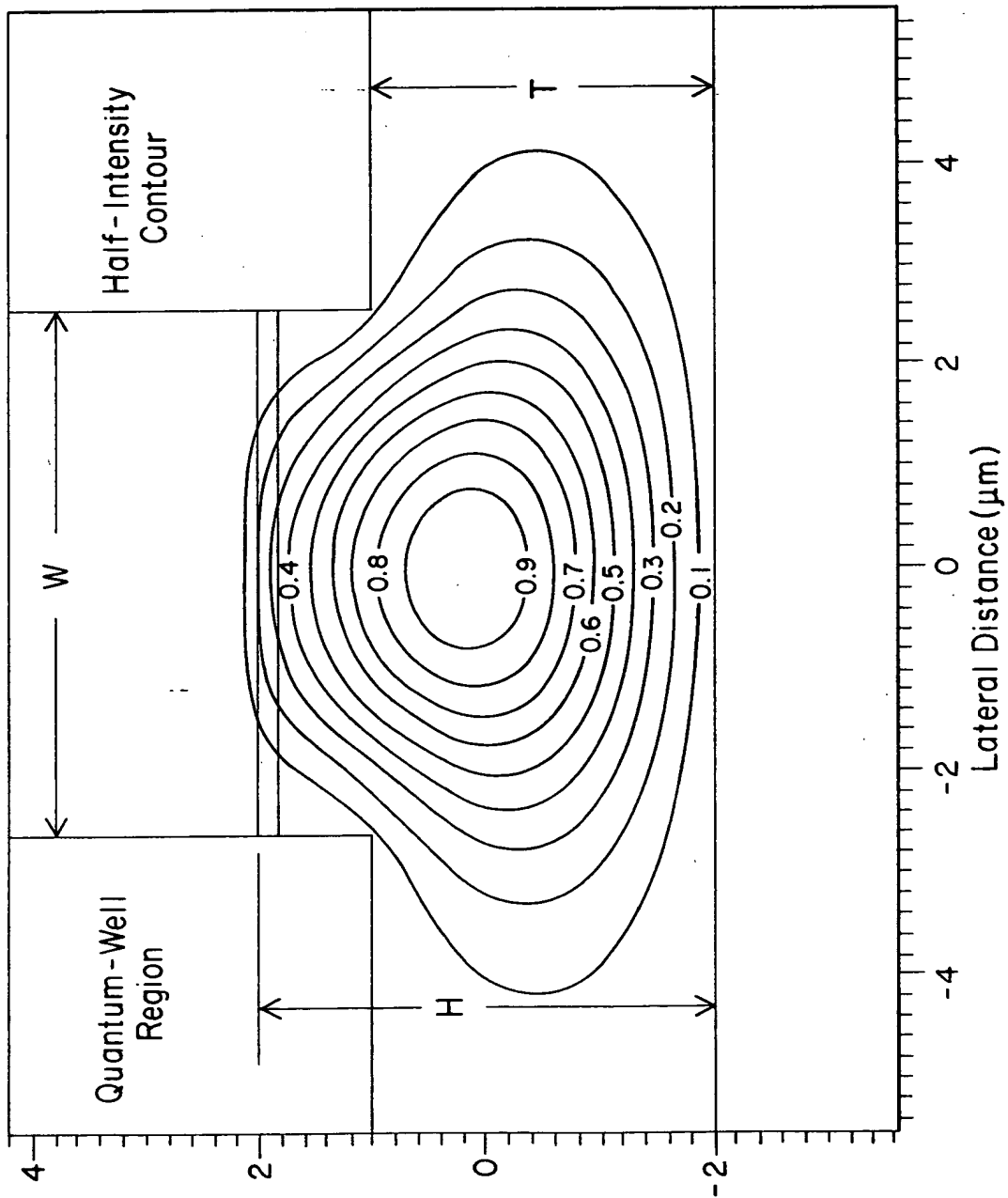
$$n_{21} > n_{22} \geq n_{23} \geq n_1 > n_2$$

$$E_{g21} < E_{g22} \leq E_{g23} \leq E_{g1}$$

FIG. 6



**FIG. 7**



**FIG. 8**



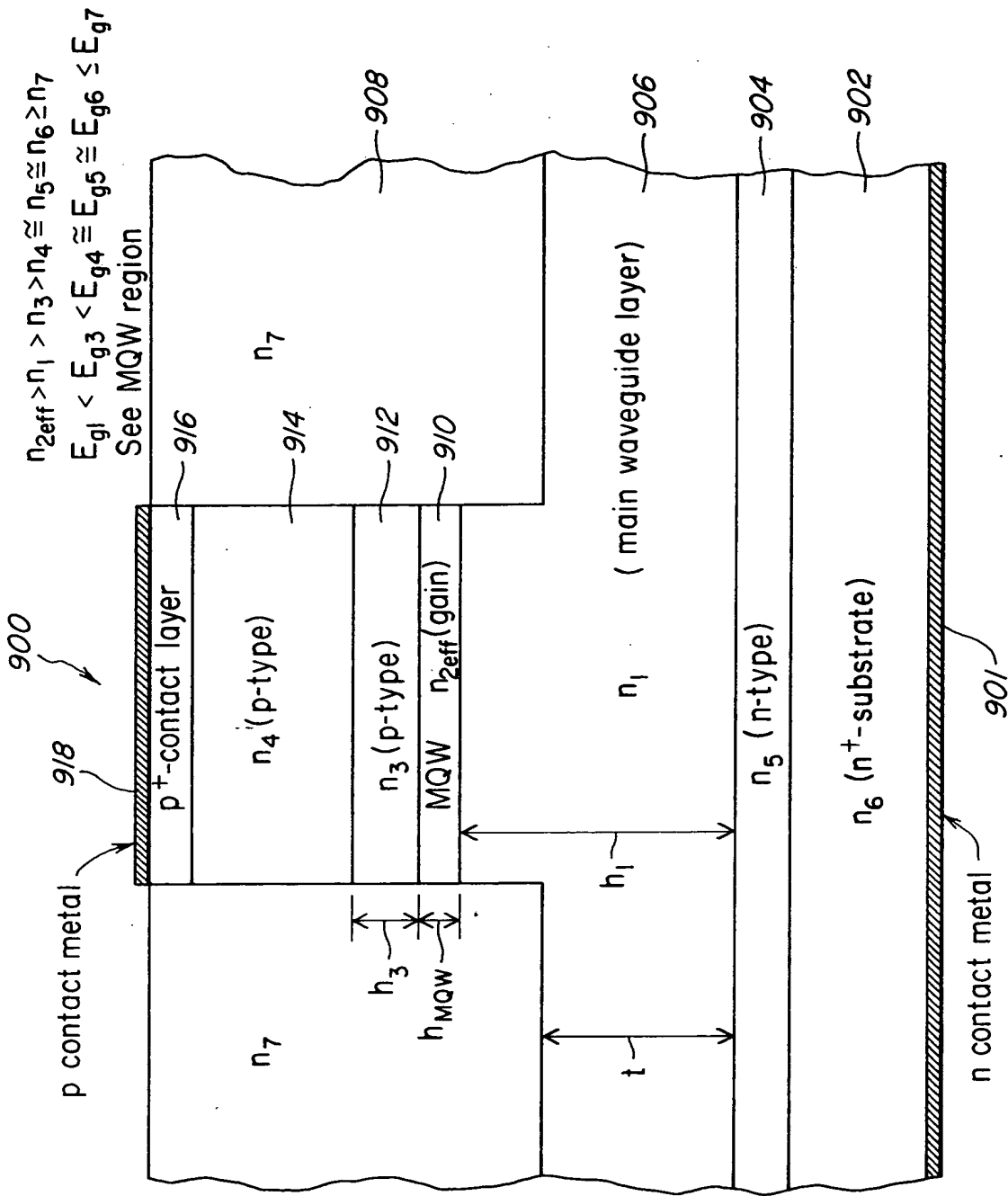


FIG. 9

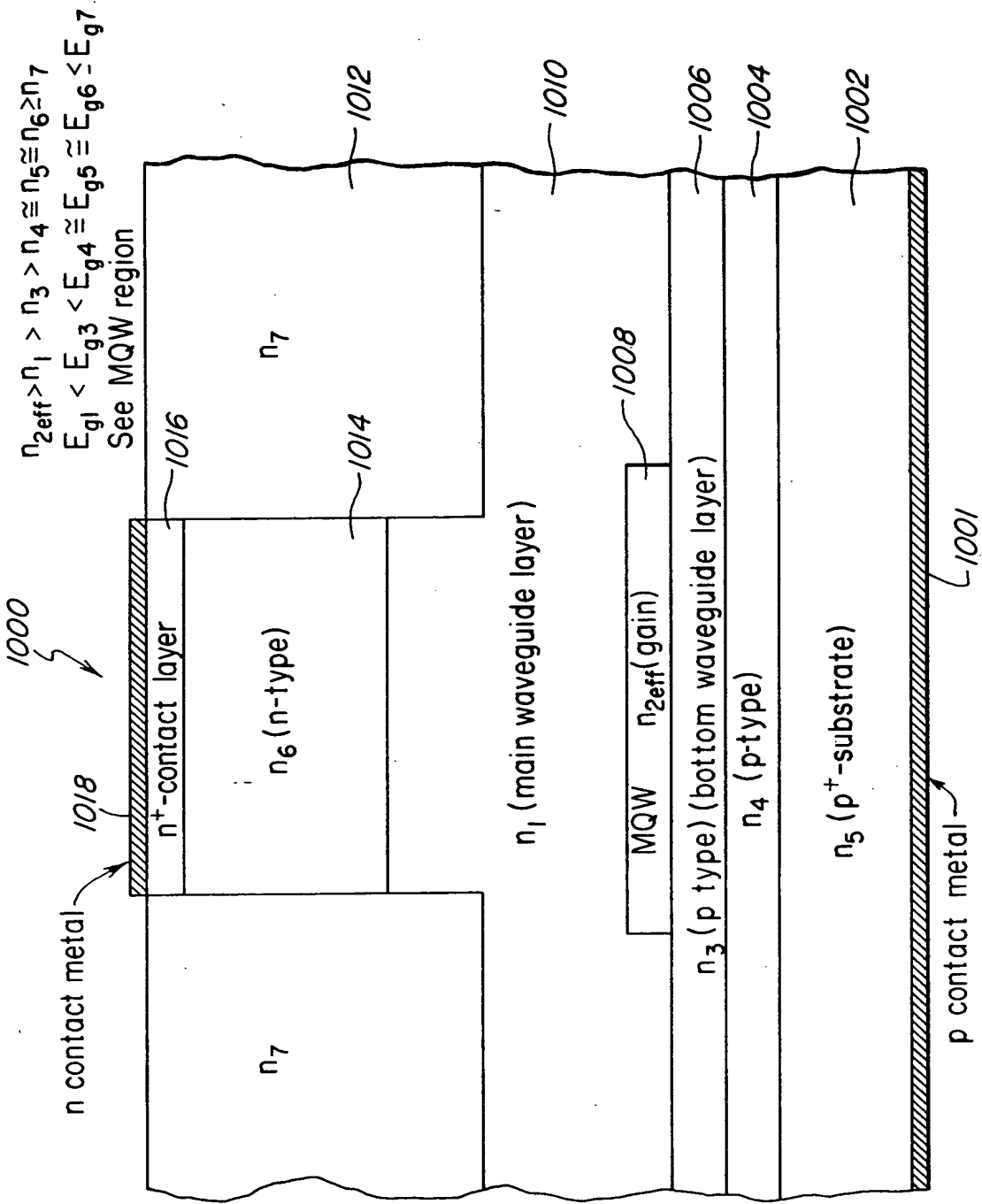


FIG. 10

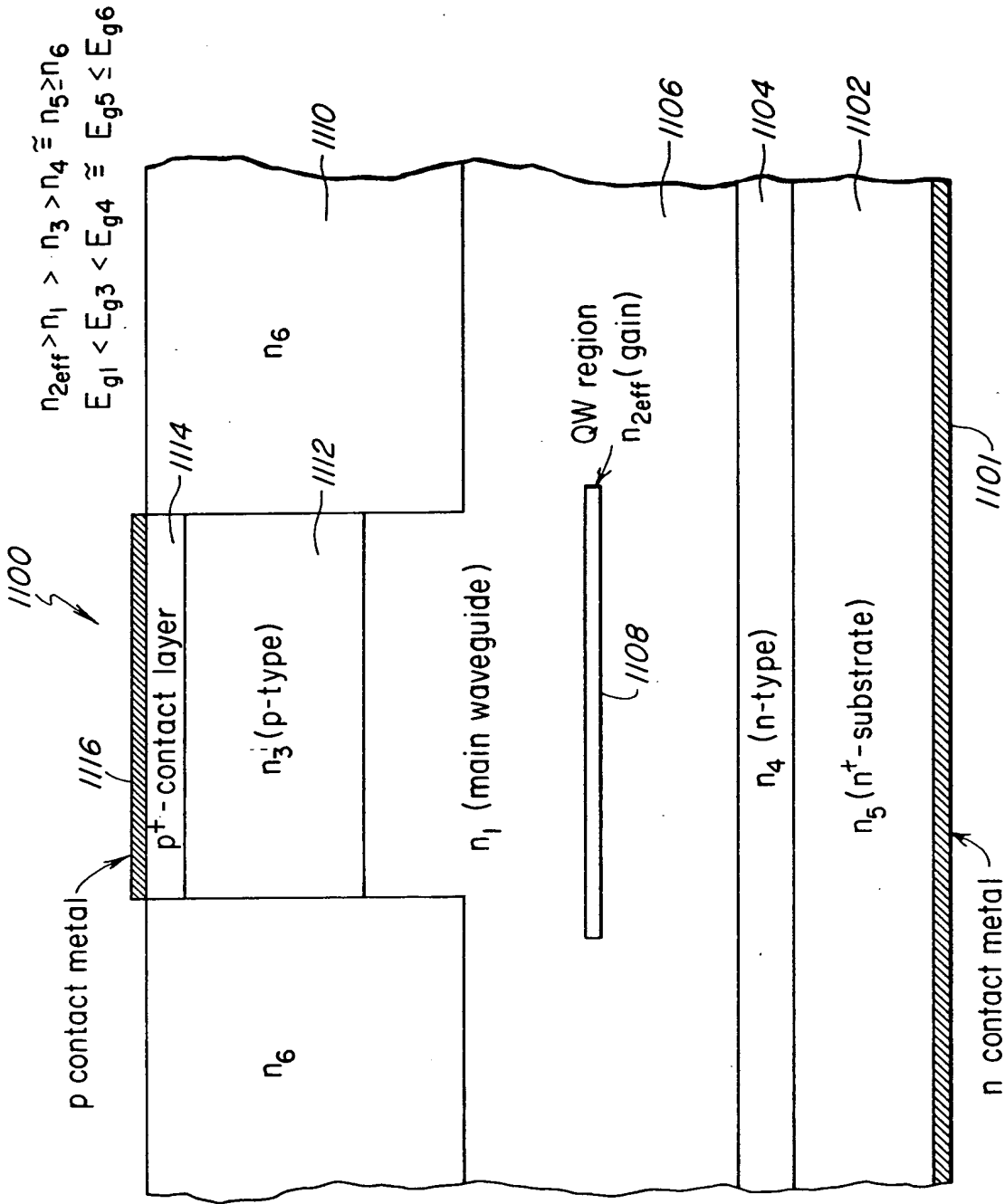
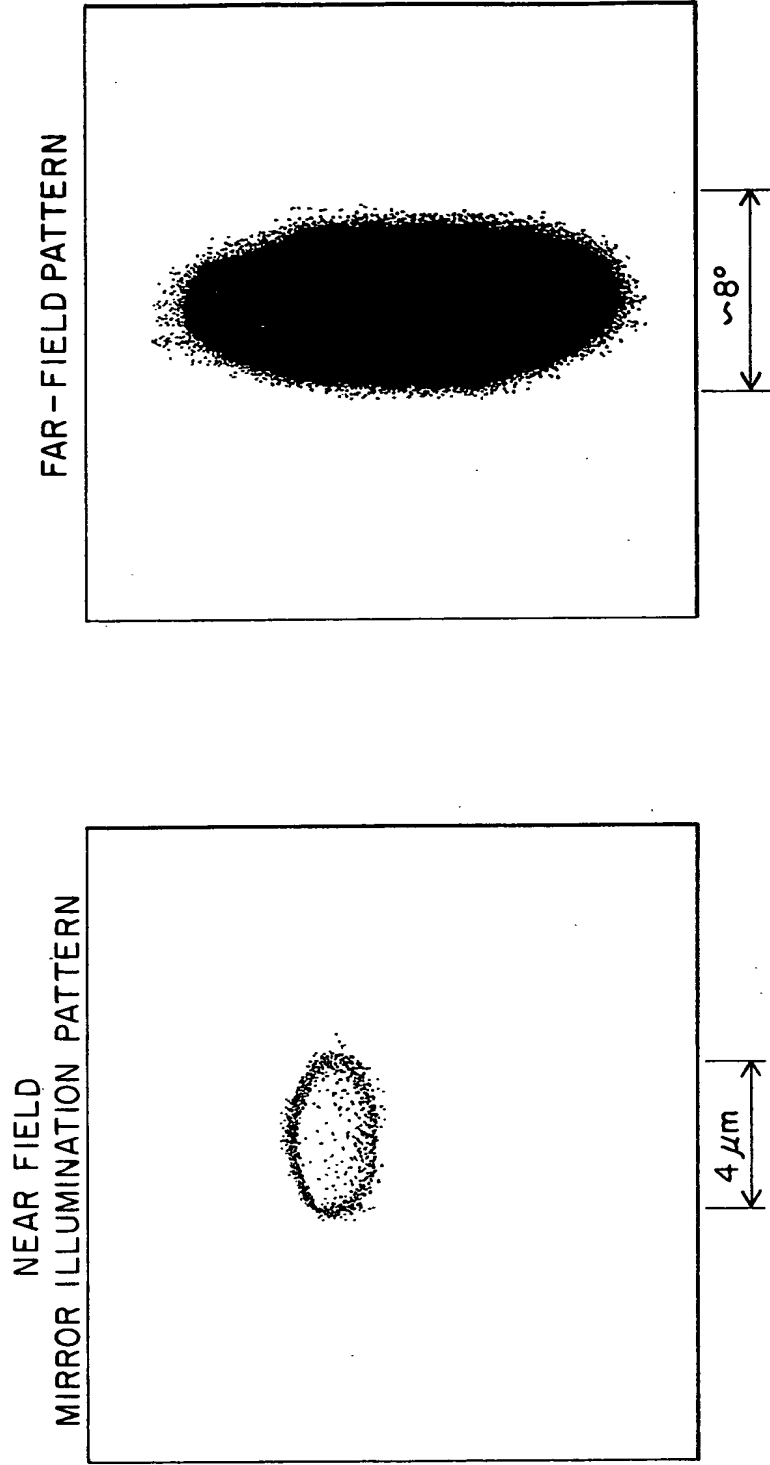
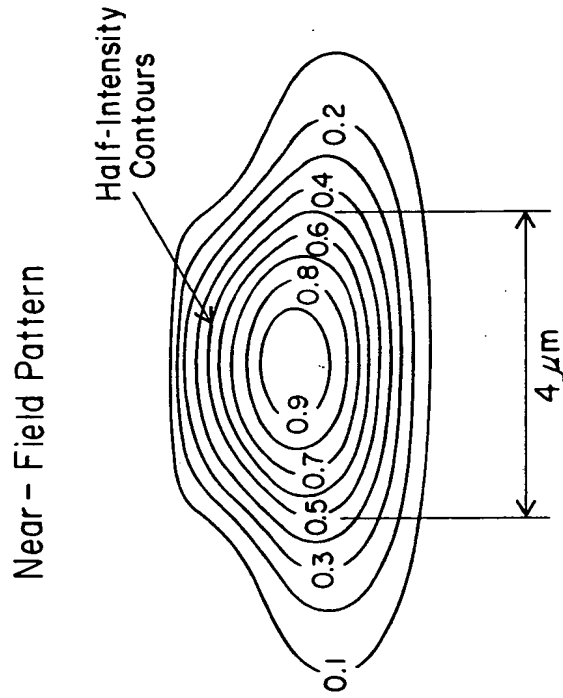
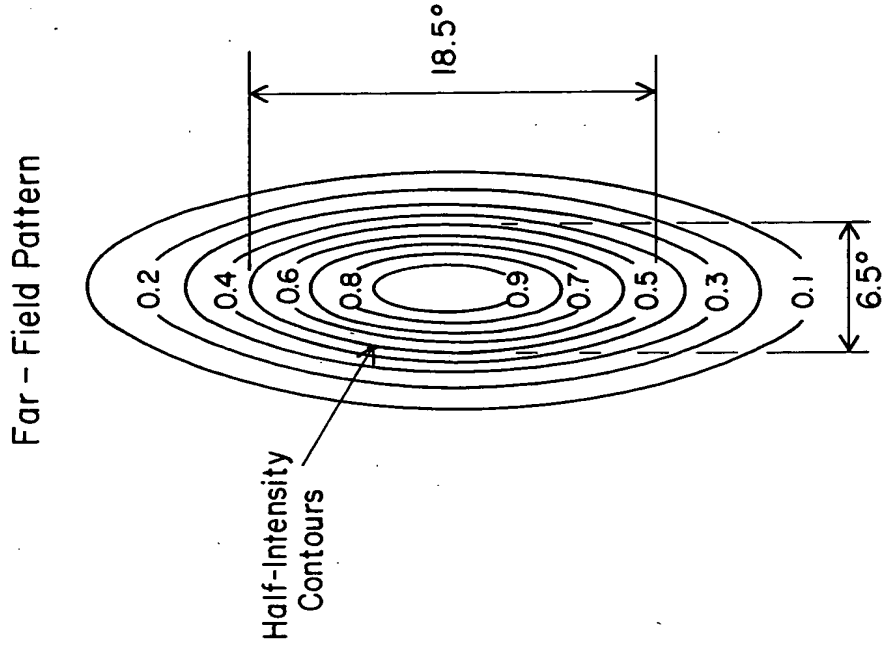


FIG. 11



*FIG. 12B*

*FIG. 12A*



**FIG. 13A**

**FIG. 13B**

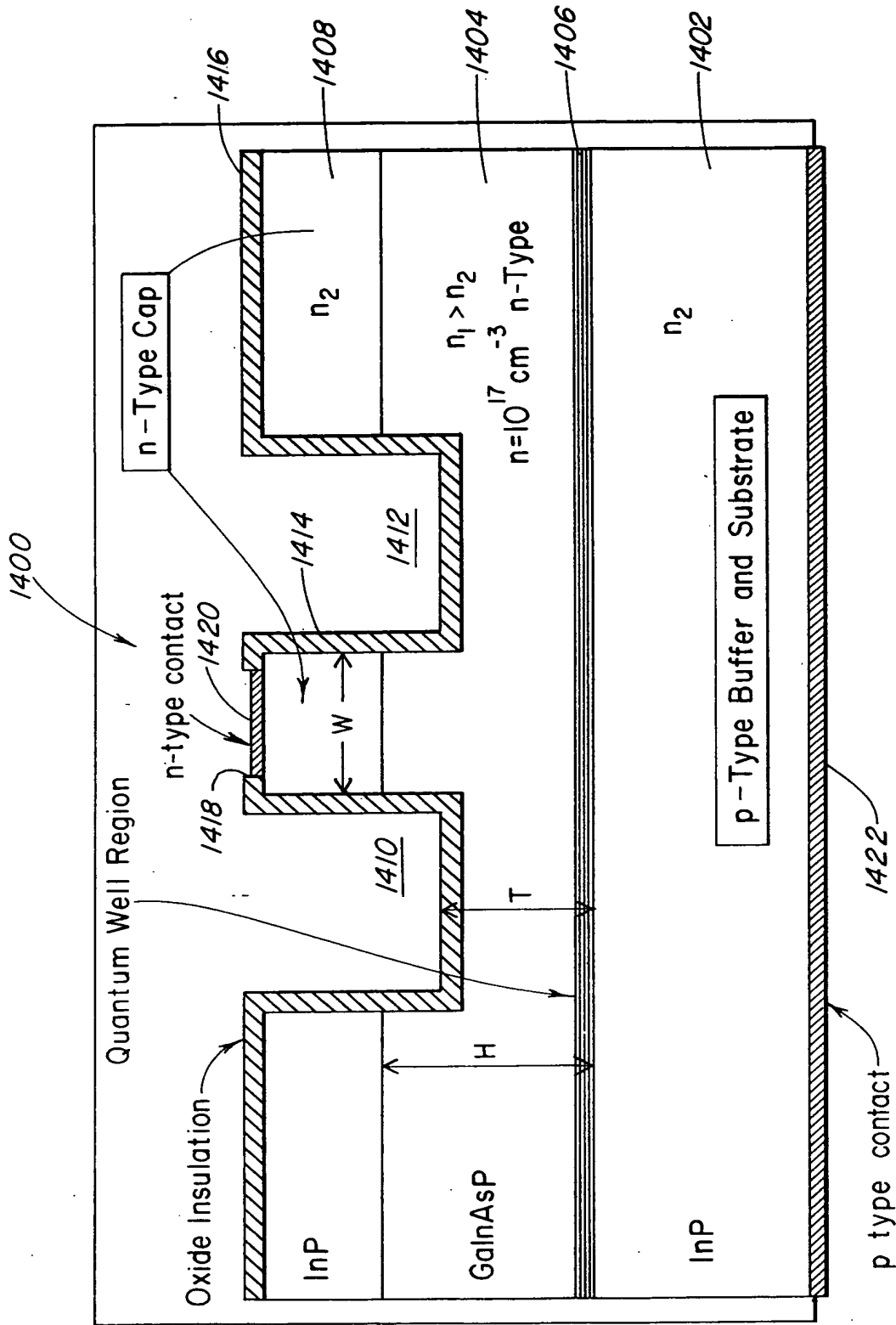


FIG. 14

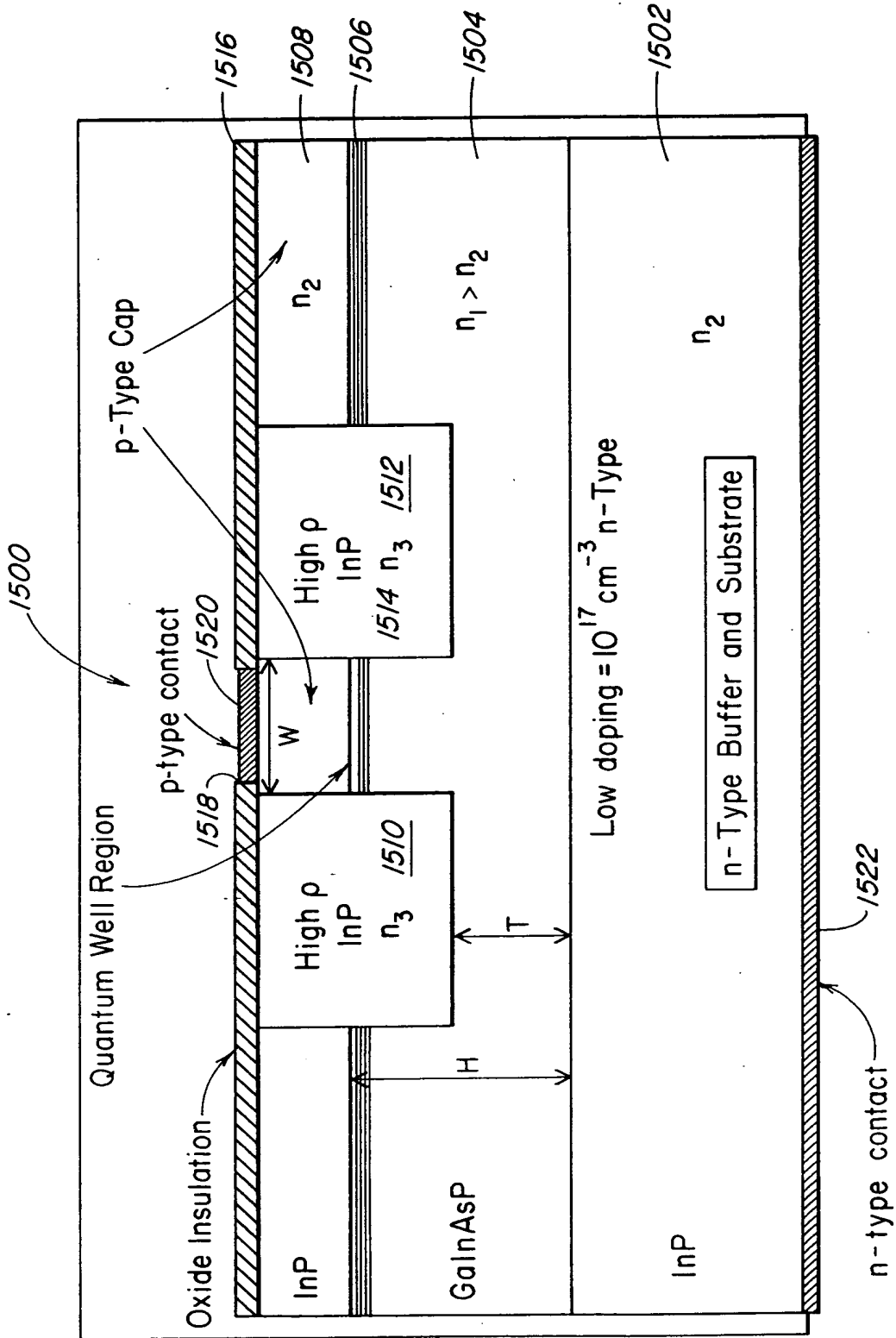


FIG. 15

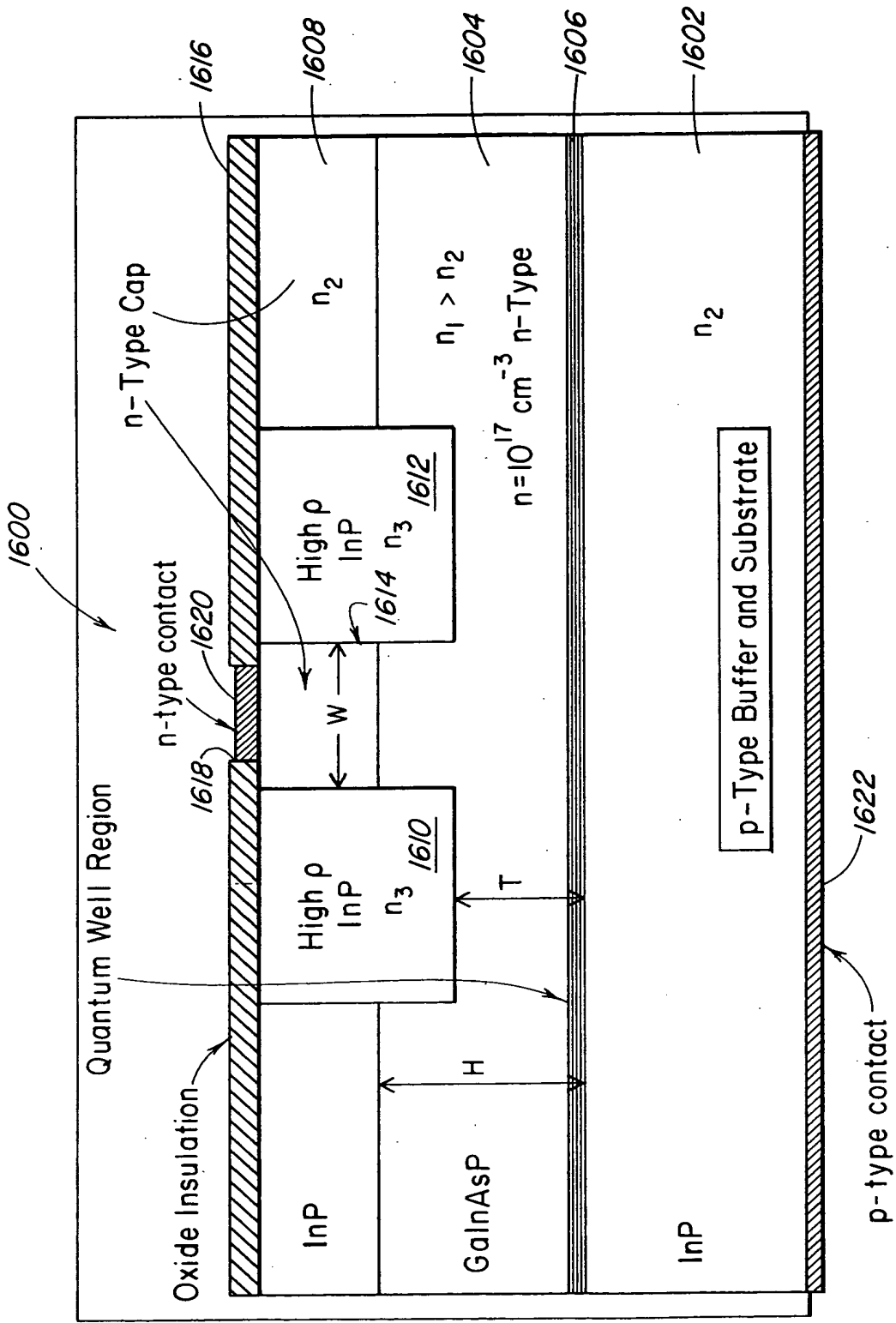


FIG. 16



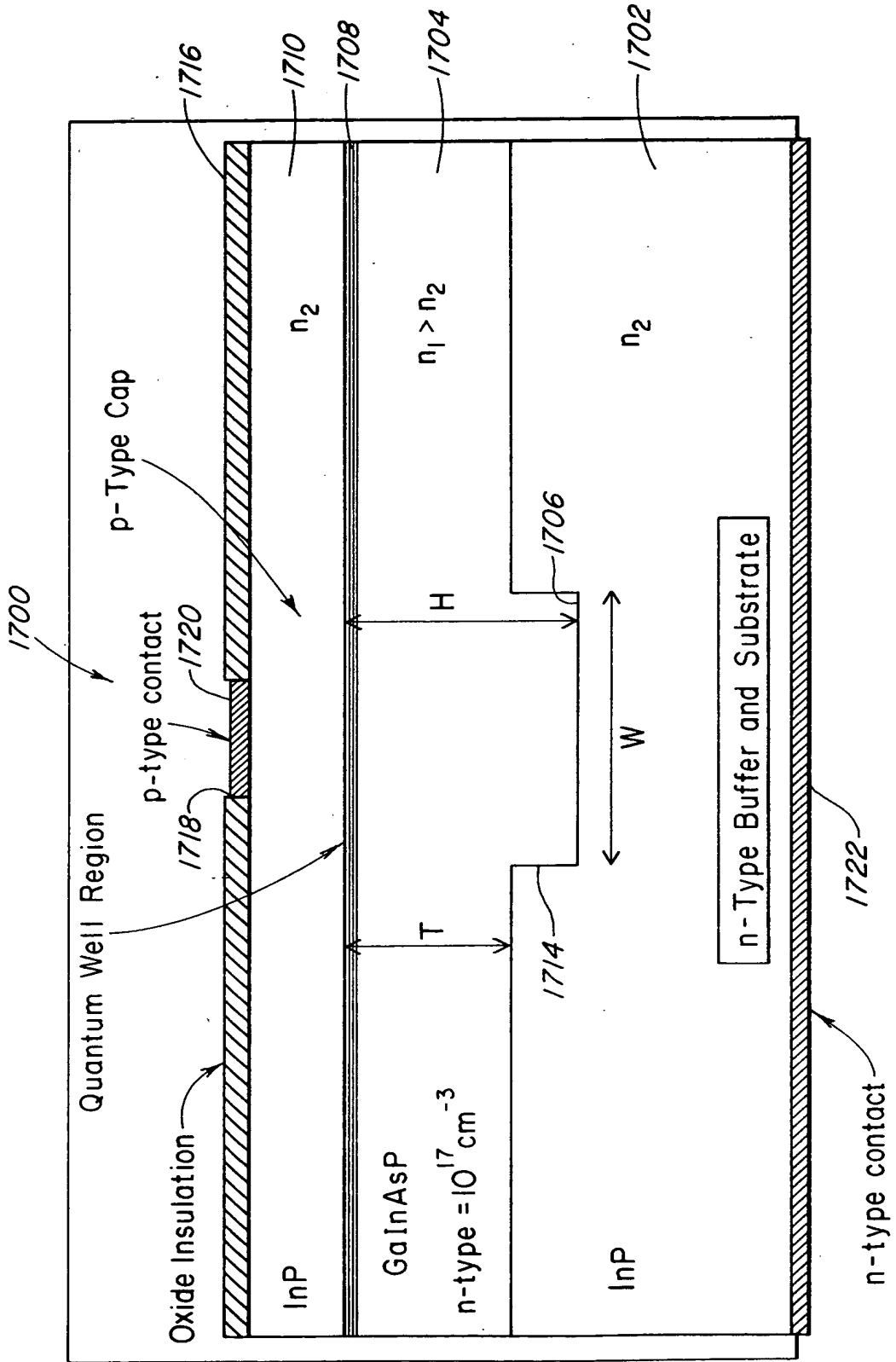


FIG. 17

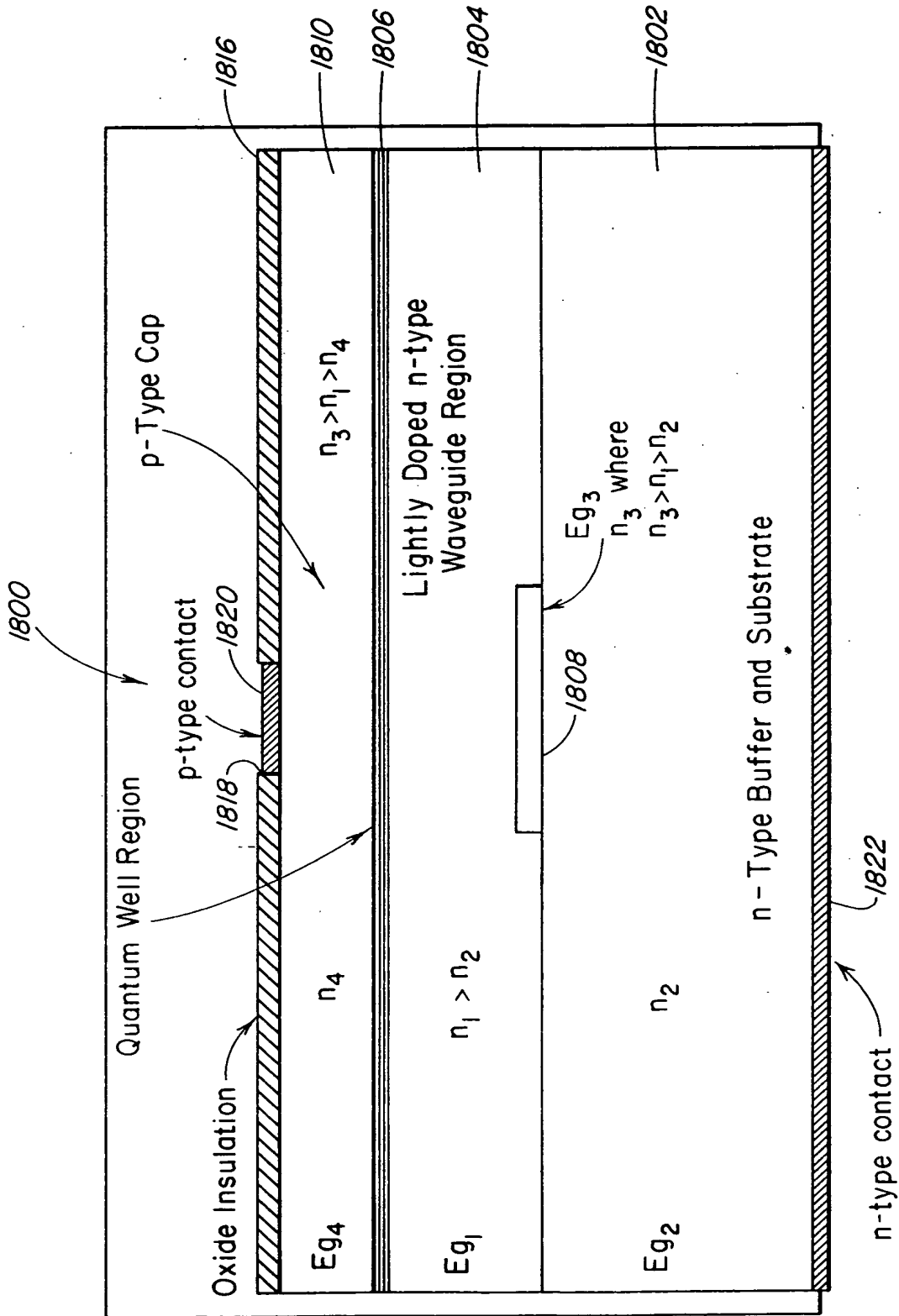


FIG. 18

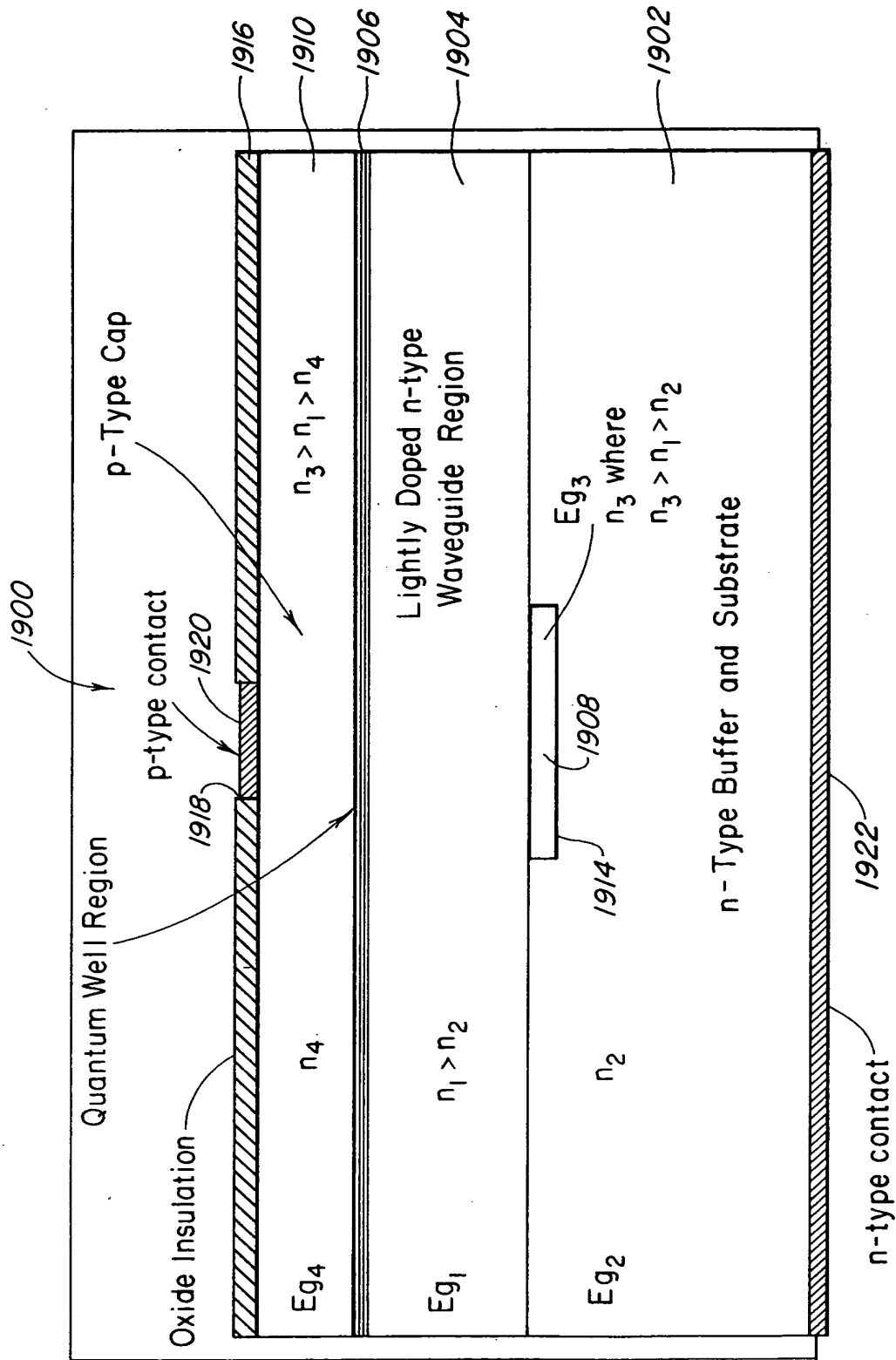


FIG. 19

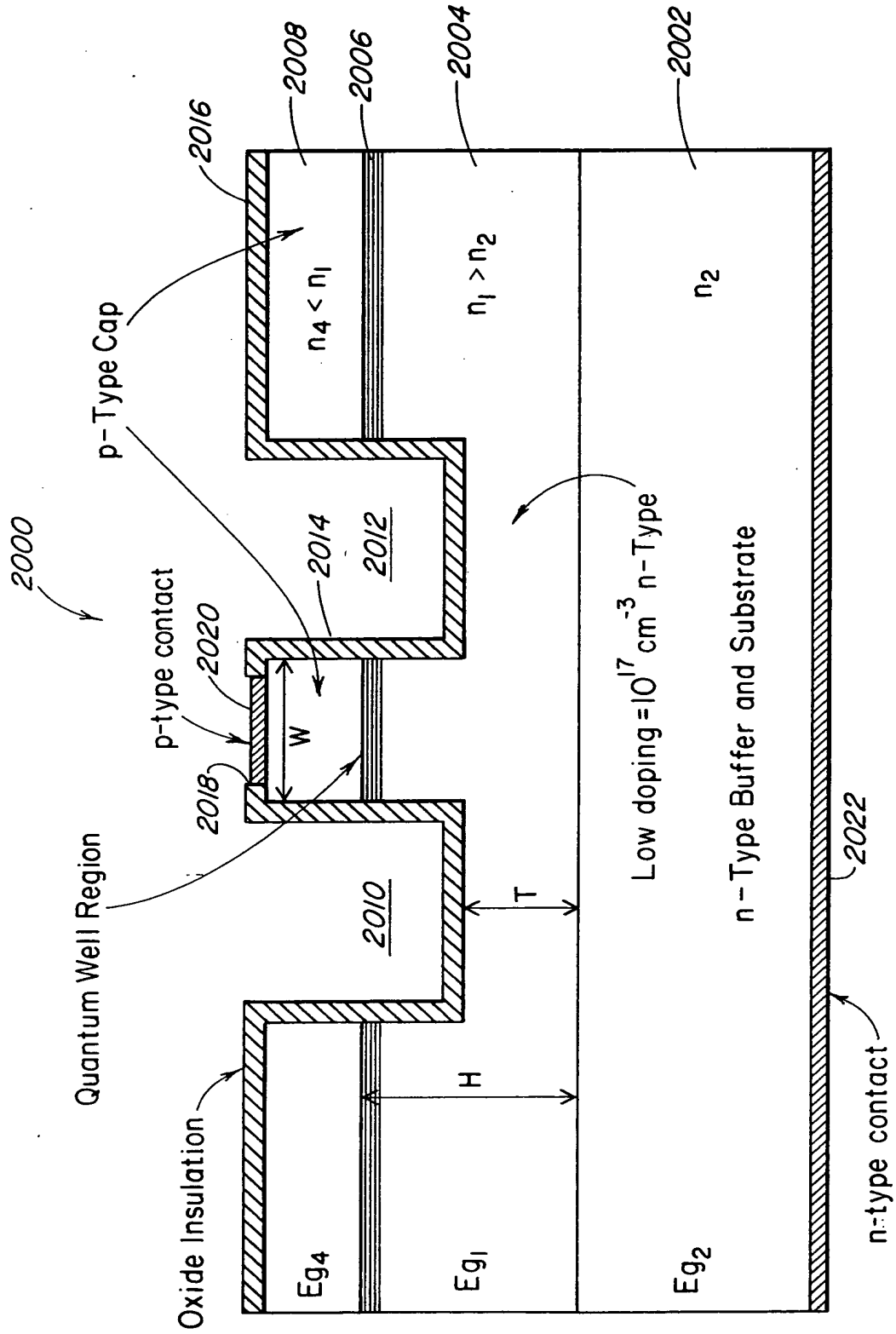
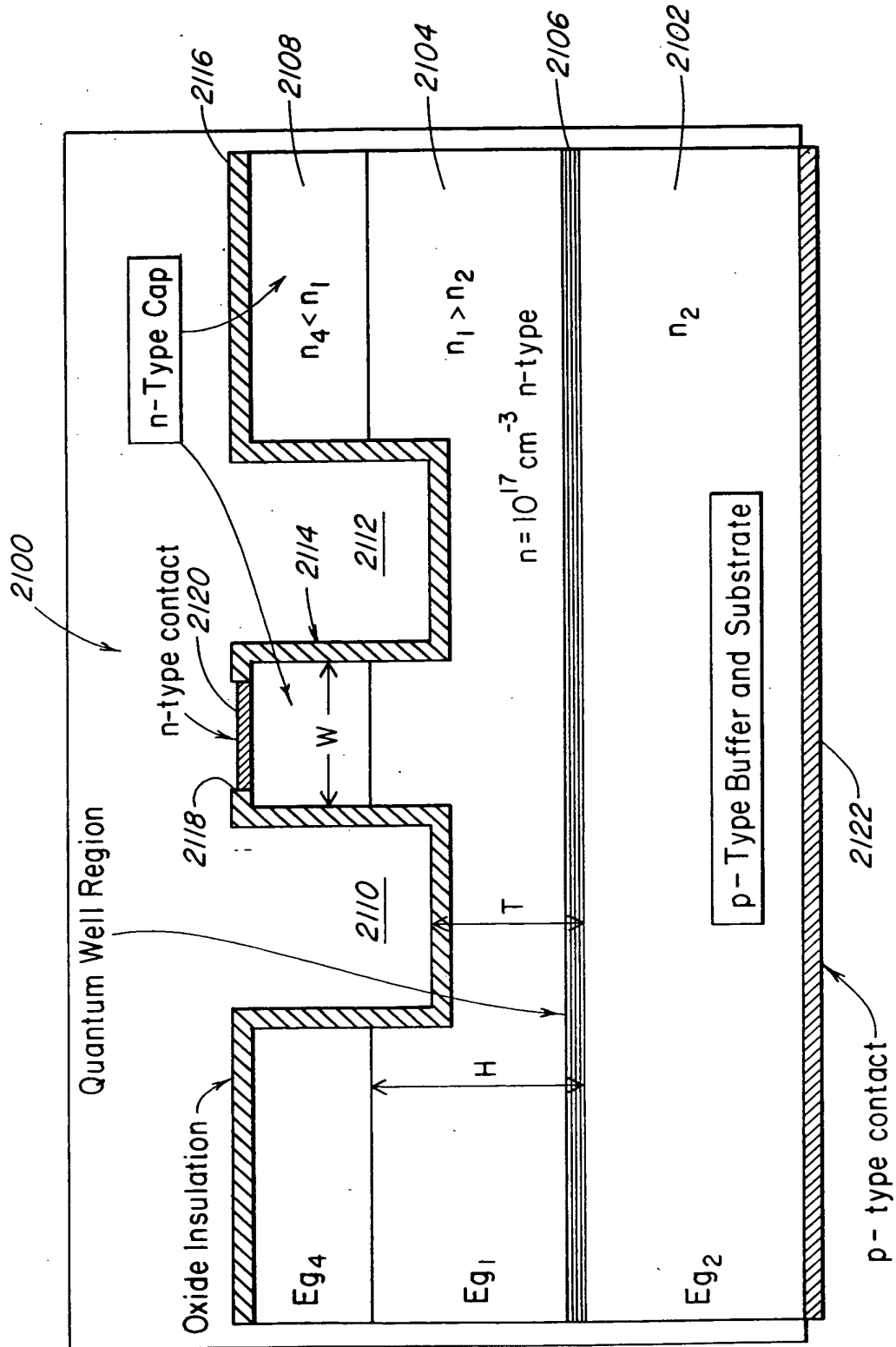
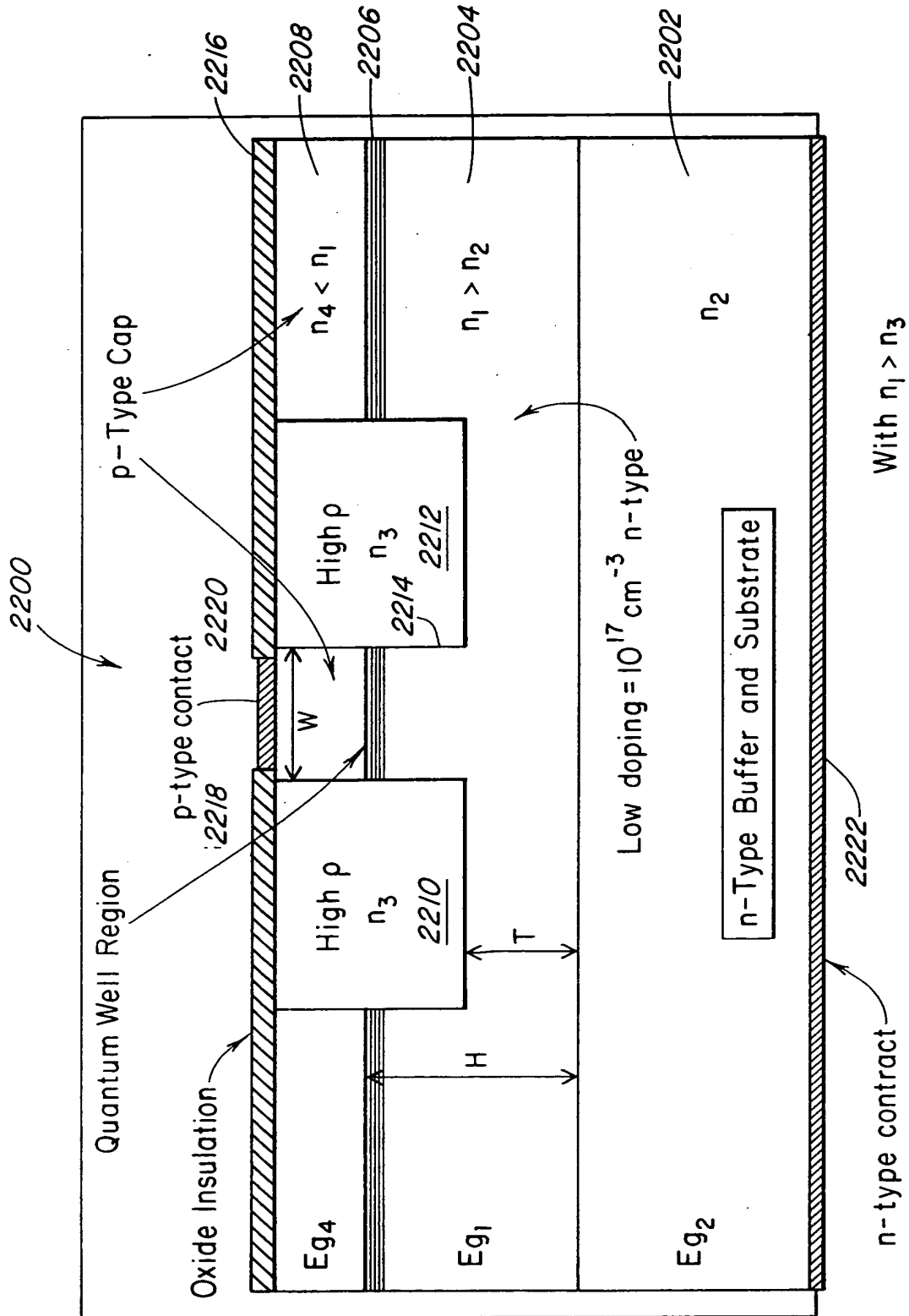


FIG. 20



**FIG. 21**



**FIG. 22**

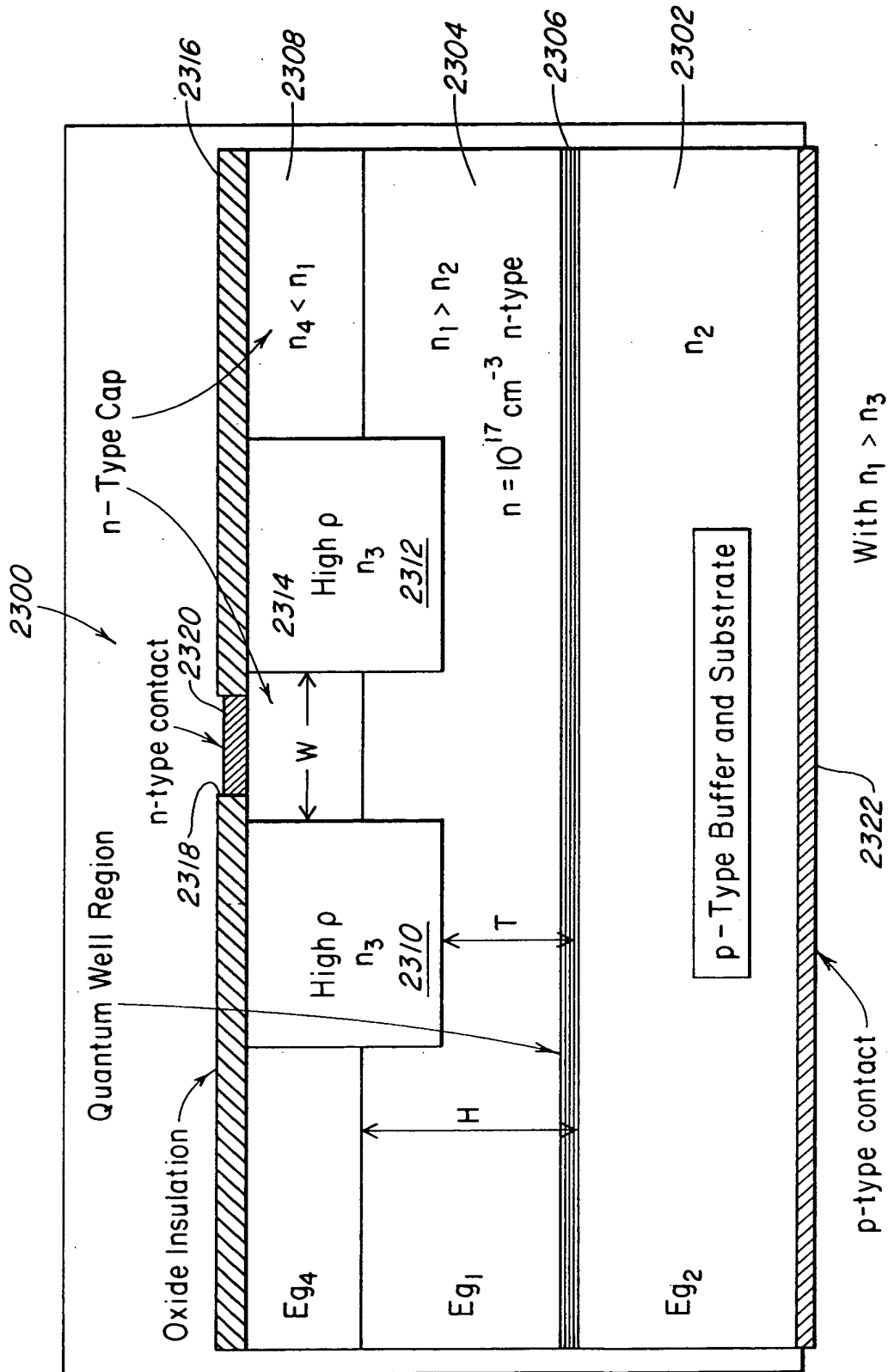


FIG. 23

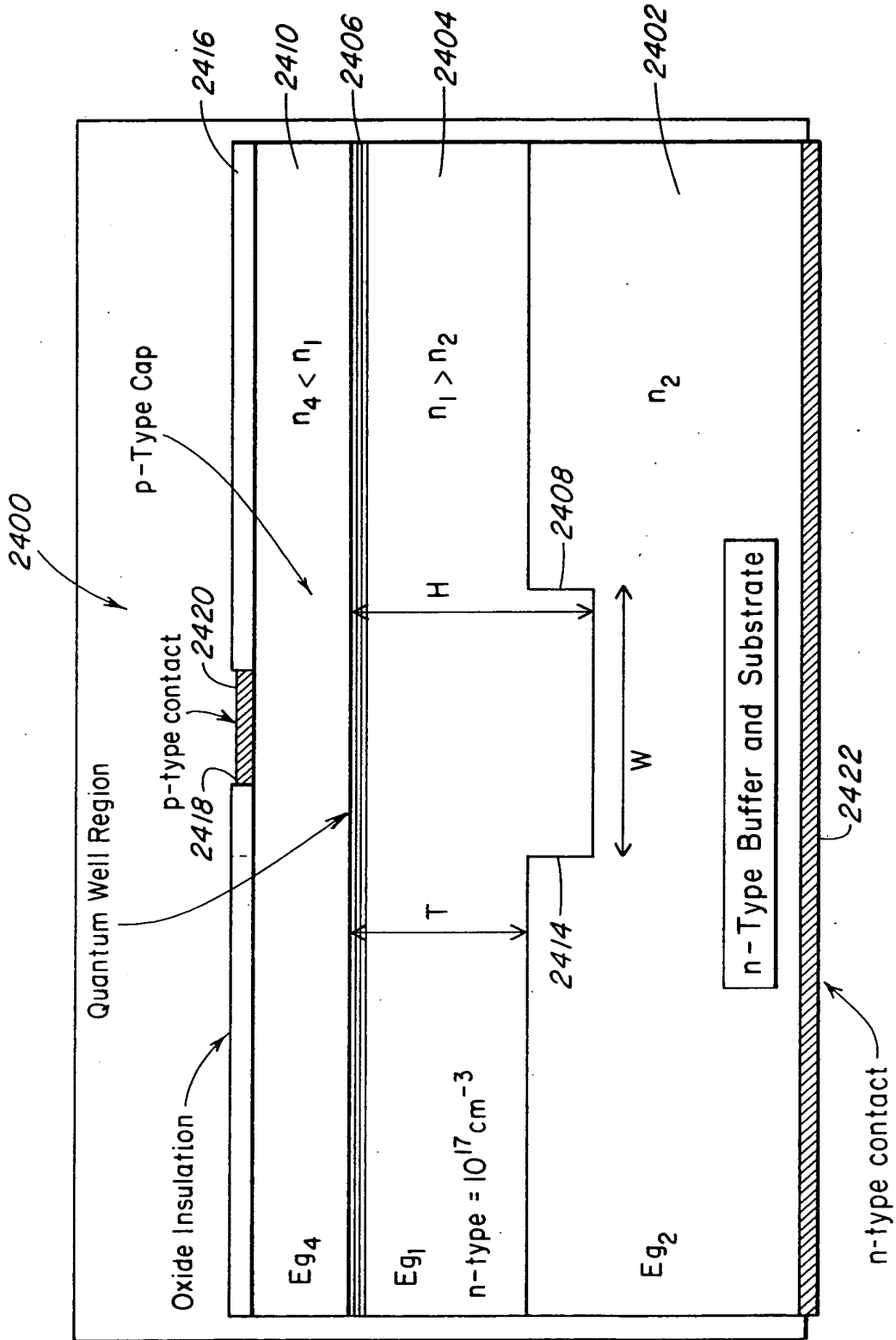


FIG. 24



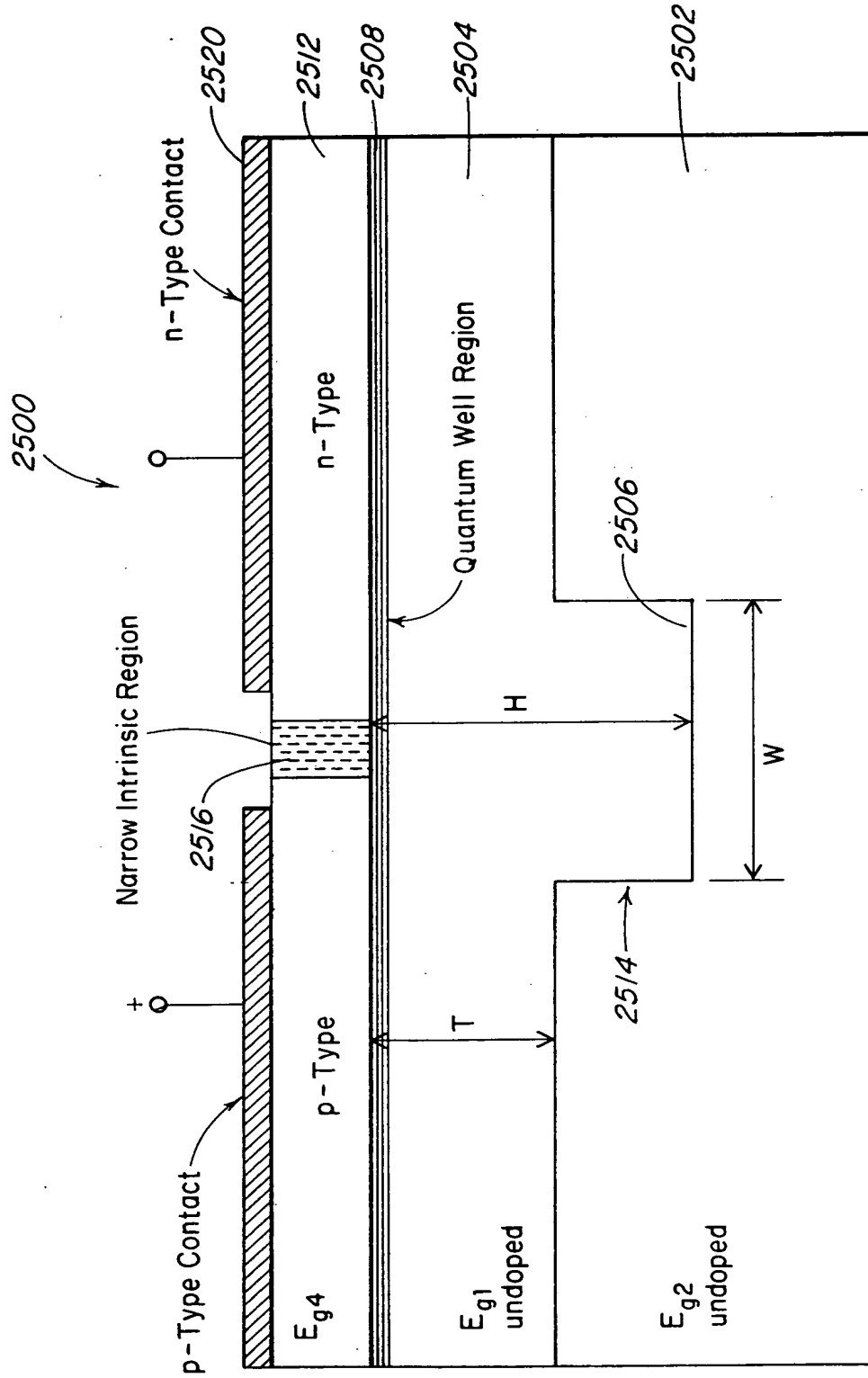


FIG. 25